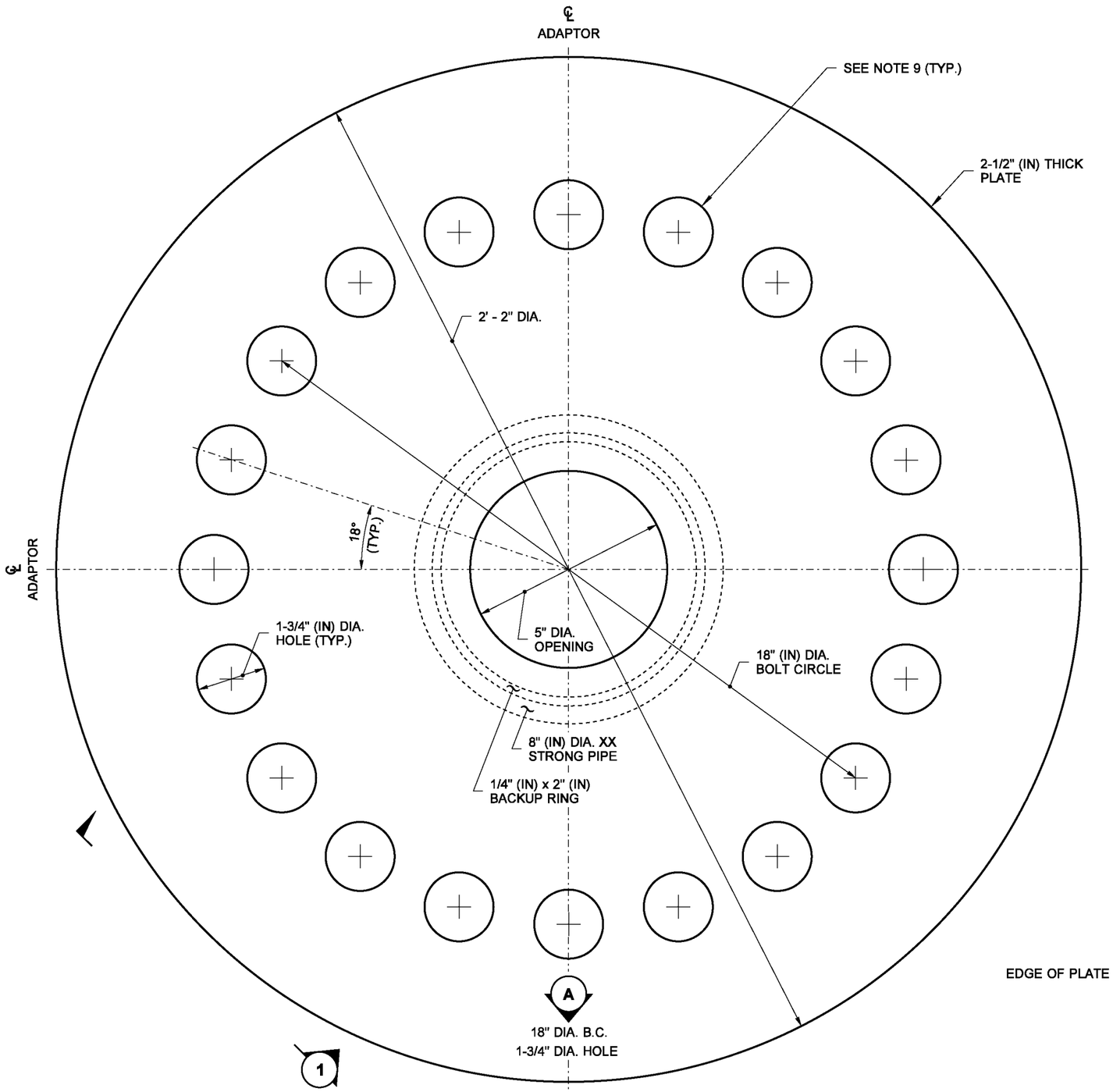


TOP VIEW
ADAPTOR 1 TOP PLATE

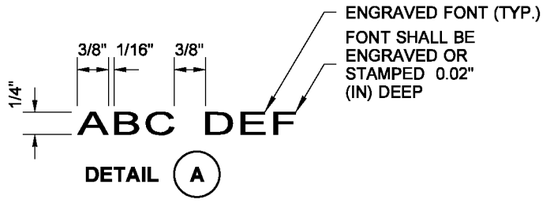
DRAWN BY: COLBY FLETCHER

NOTES

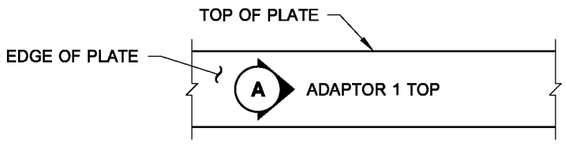
1. All material and workmanship shall be in accordance with the requirements of the Washington State Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction.
2. The analysis and design for Adaptors 1 and 2 have been done in accordance with AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals - Fifth Edition - Dated 2009, and Interims, using basic wind speed of 90 MPH and 50 years of design life.
3. Adaptors' parameters are based on field data and existing signal standard anchor bolts and bolt circles. Adaptor 1 shall be used for 15' (ft) thru 45' (ft) mast arm signal standards and Adaptor 2 for 46' (ft) thru 65' (ft).
4. **Adaptors shall only be used for temporary installation of knocked down signal standards.**
5. Materials specifications:

All structural steel, except as otherwise noted	**ASTM A572 GR. 50 OR ASTM A588**
Pipes	**ASTM A53 GR. B OR A500 GR. B**
Connecting/clamping bolts	**AASHTO M 164 (ASTM A325)**
Nuts	**AASHTO M 291 (ASTM A263) GRADE DH**
Washers	**AASHTO M 293 (ASTM F436)**

6. All bolts, rods, and related hardware shall be galvanized after fabrication per ASTM F2329.
7. Steel surfaces shall be galvanized after fabrication in accordance with AASHTO M 111.
8. Install and secure adaptor to existing support anchor bolts. Then install signal standard on adaptor top plate. Rake to be plumb after all load has been placed.
9. All holes in top and bottom plates of Adaptor 1 and Adaptor 2 are thru holes. See engraved or stamped text for bolt hole diameter.



DETAIL (A)



SECTION (1)

ADAPTOR 1 TOP SHOWN
(ADAPTOR 1 BOTTOM, ADAPTOR 2 TOP, AND ADAPTOR 2 BOTTOM SIMILAR)

ALL FONTS MARKED (A) SHALL BE ENGRAVED OR STAMPED

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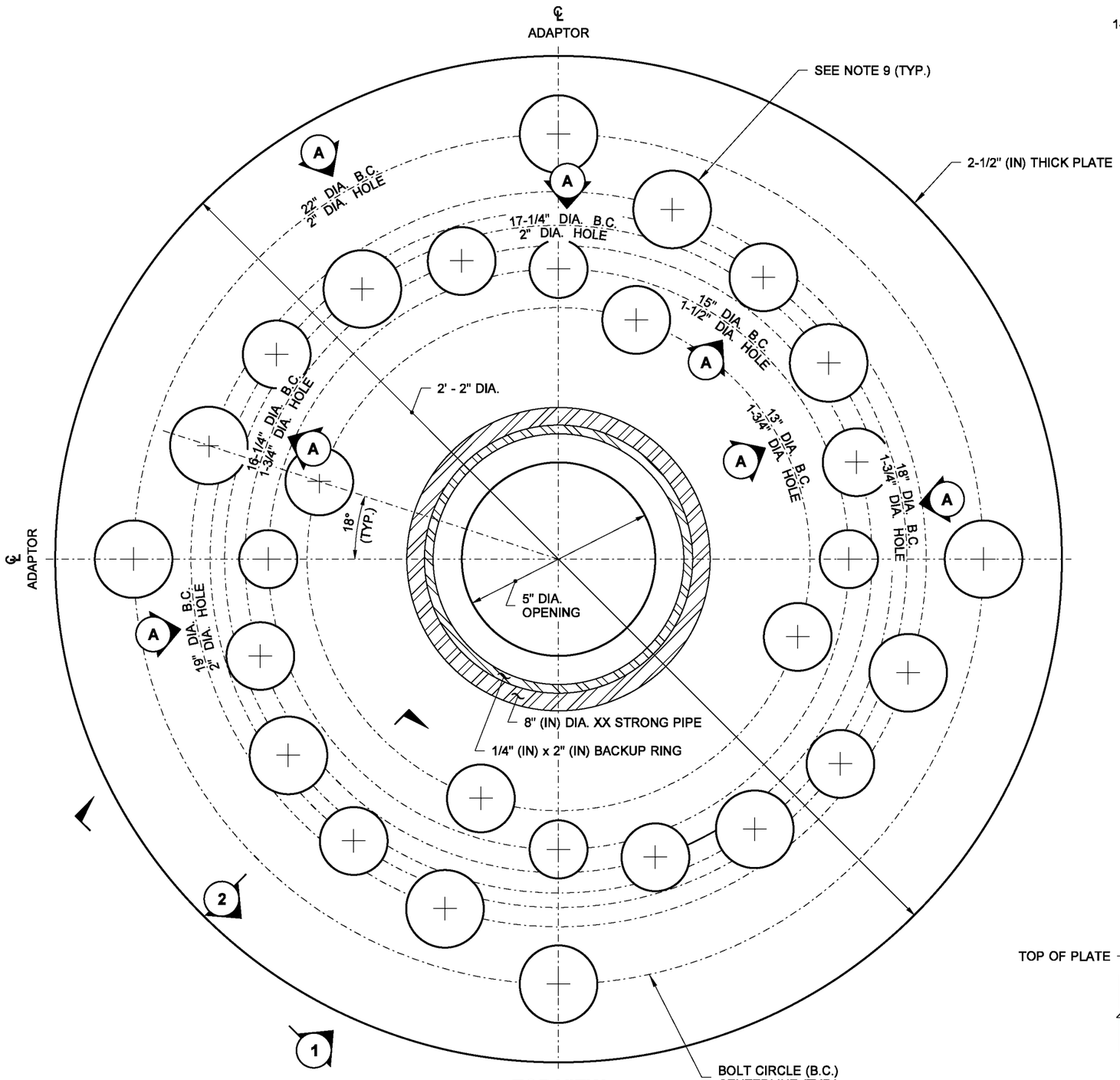
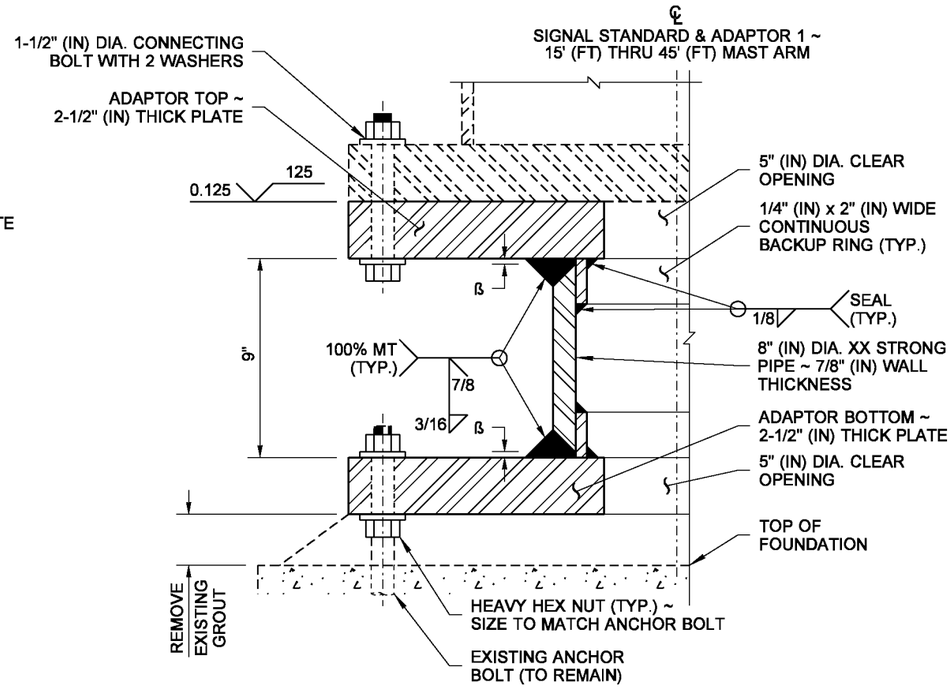
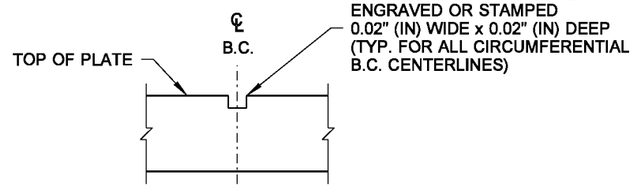


TOP VIEW
ADAPTOR 1 BOTTOM PLATE



TYPICAL SECTION
ß - 3/16" (IN) MAX. GAP BEFORE WELDING



SECTION (2)

ONE BOLT CIRCLE CENTERLINE SHOWN (ALL BOLT CIRCLE CENTERLINES SIMILAR)

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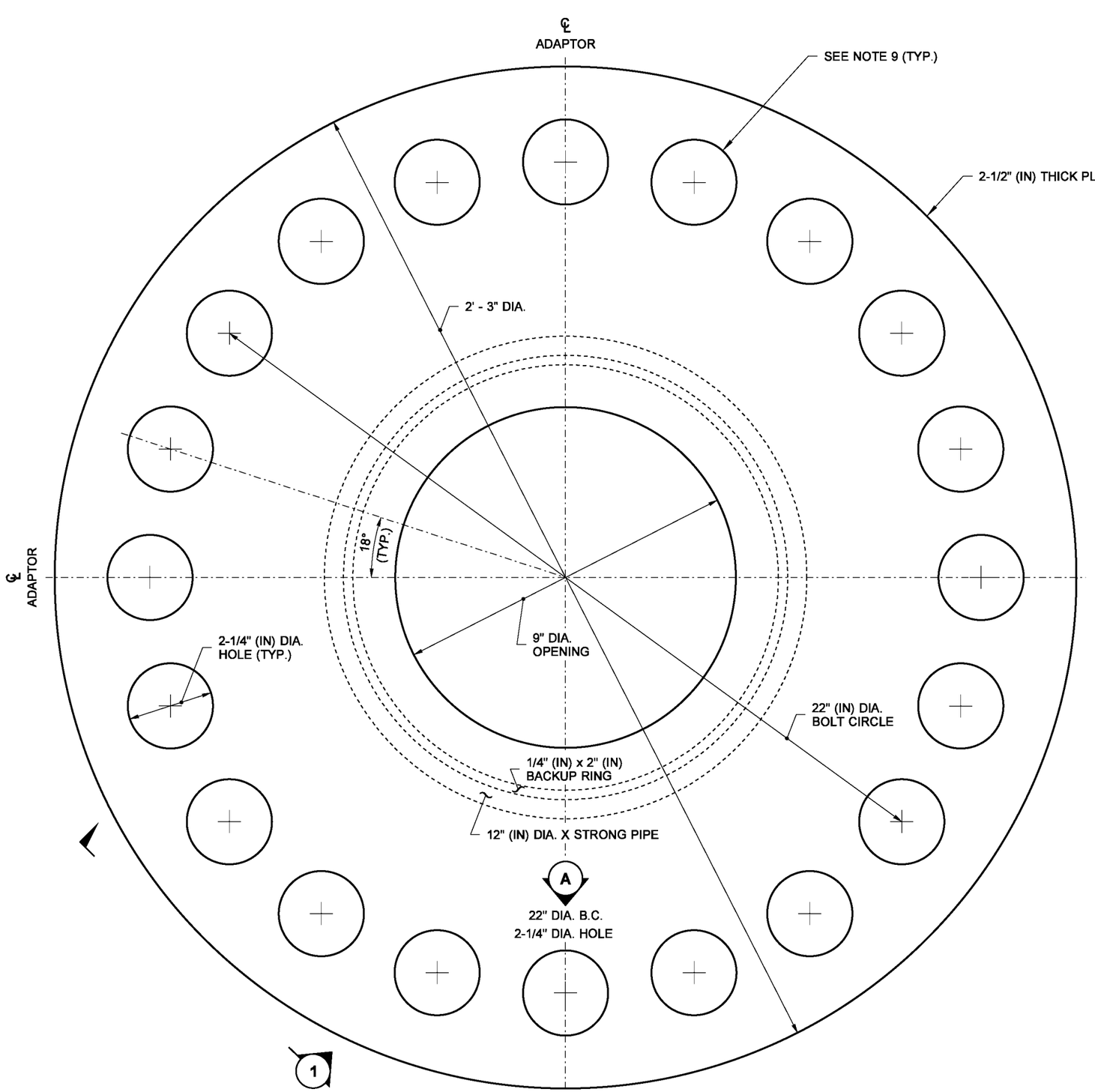
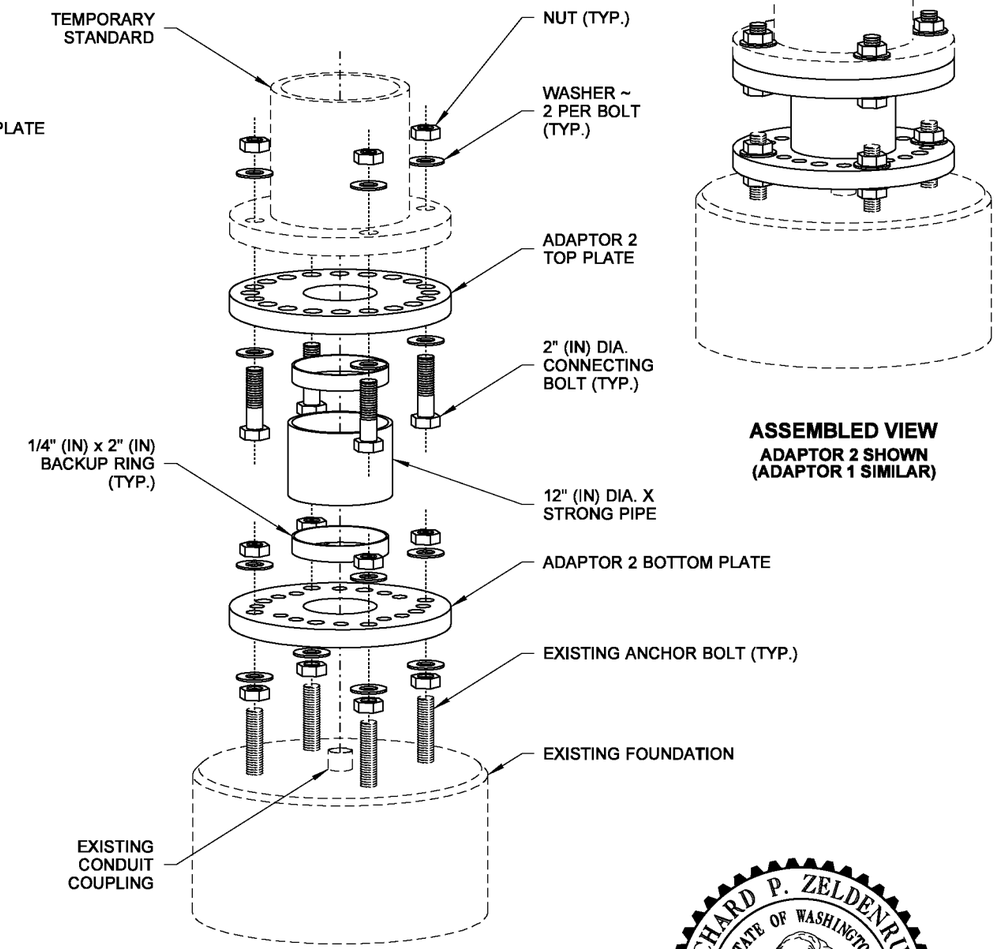
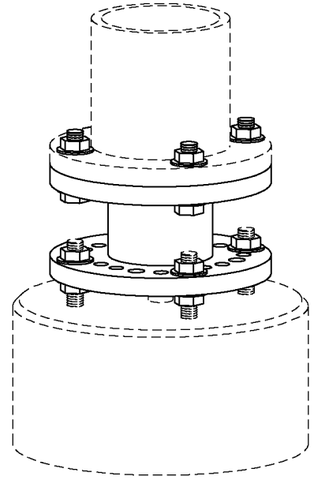


TOP VIEW
ADAPTOR 2 TOP PLATE



EXPLODED VIEW
ADAPTOR 2 SHOWN
(ADAPTOR 1 SIMILAR)



ASSEMBLED VIEW
ADAPTOR 2 SHOWN
(ADAPTOR 1 SIMILAR)

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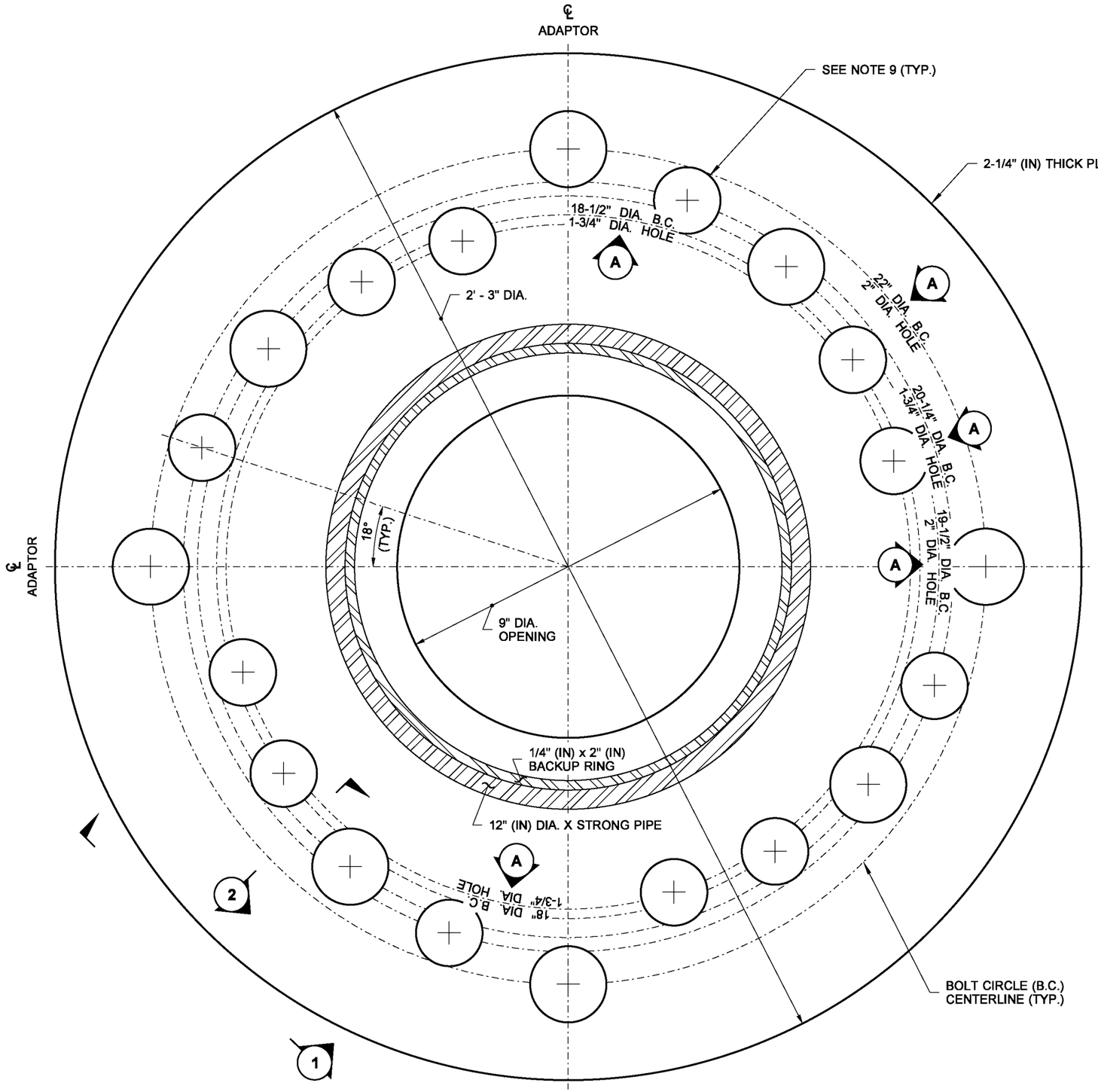
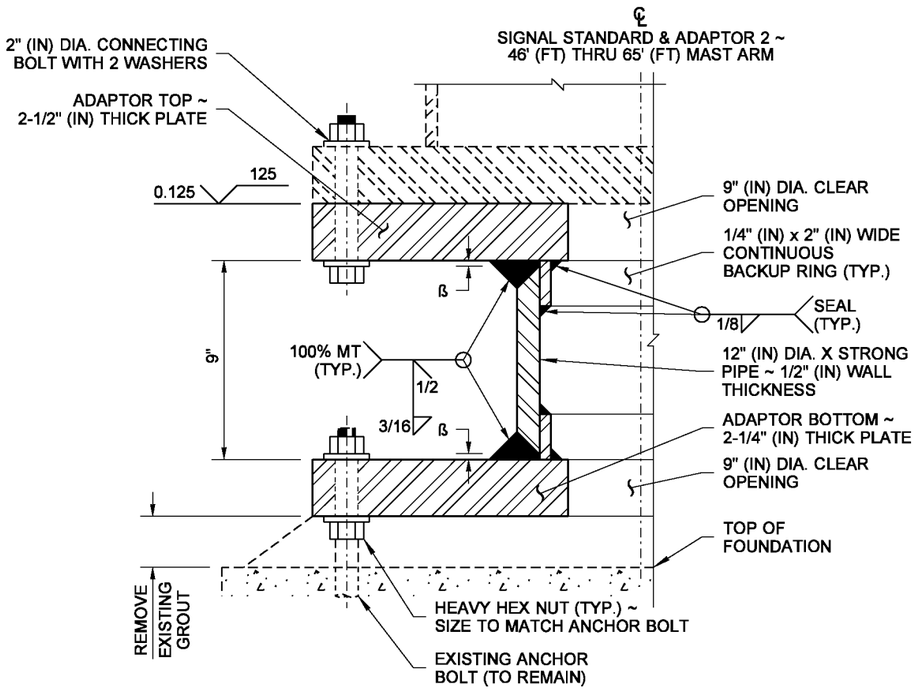


TOP VIEW
ADAPTOR 2 BOTTOM PLATE



TYPICAL SECTION
ß - 3/16" (IN) MAX. GAP BEFORE WELDING

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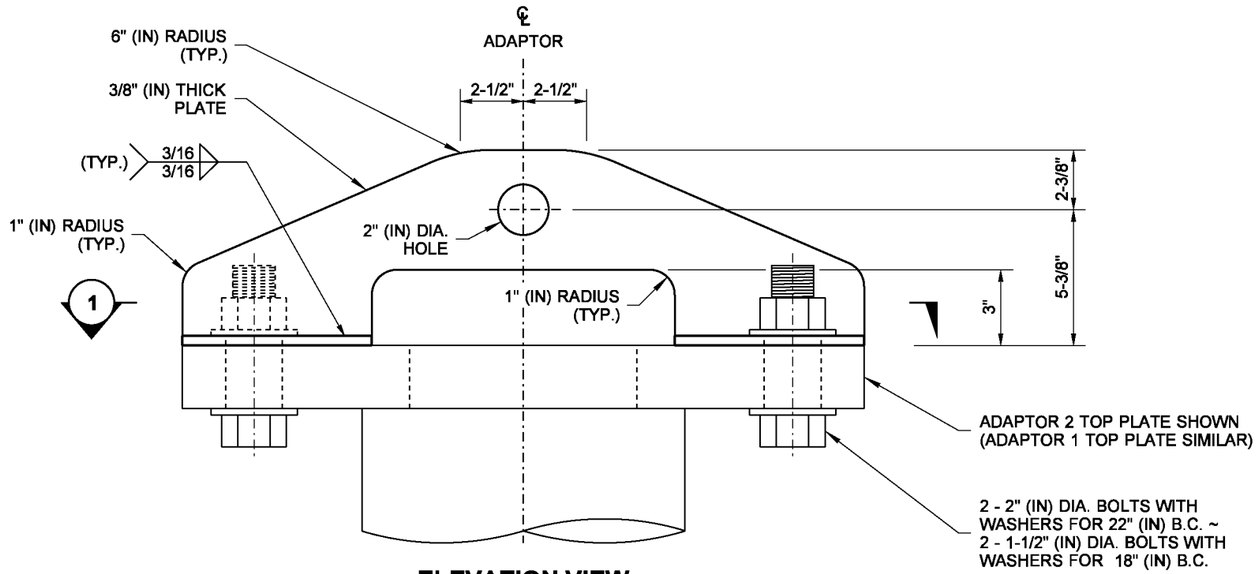
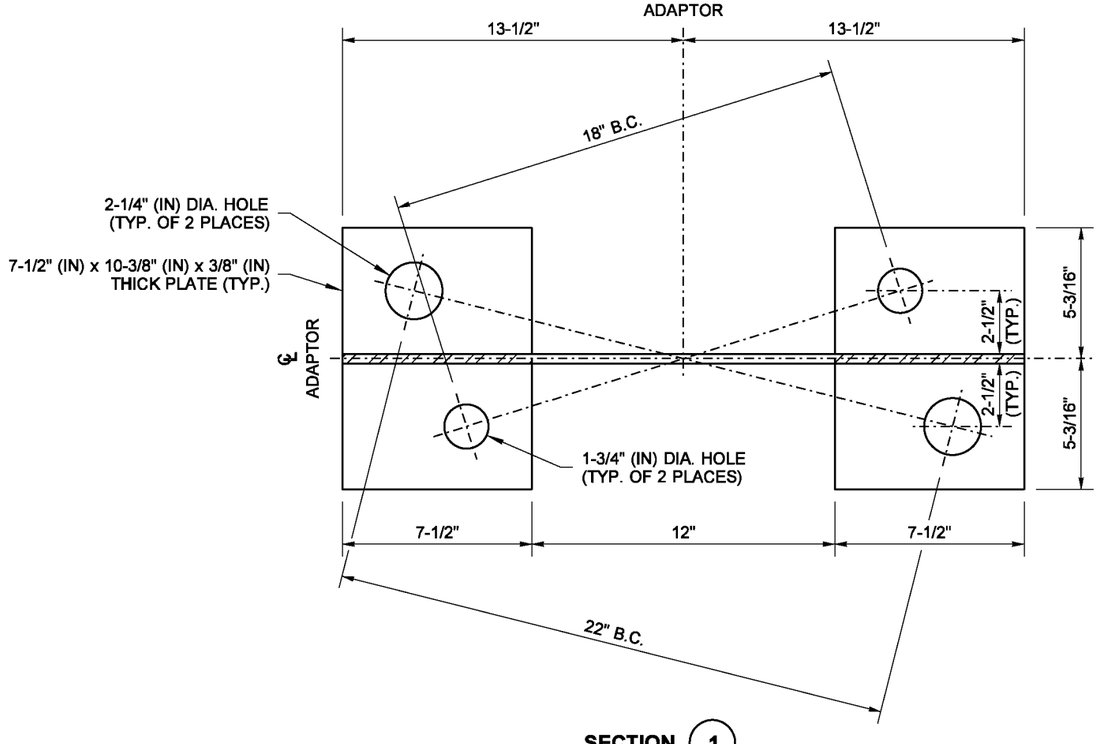
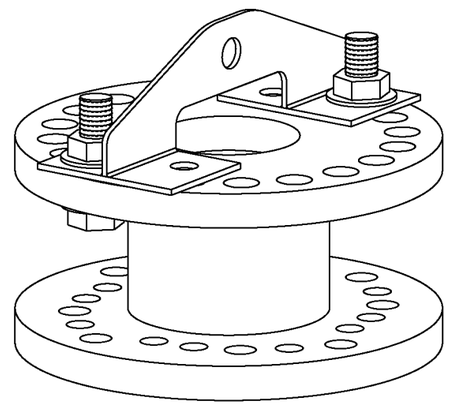


ELEVATION VIEW
ADAPTOR LIFTING TOOL
REMOVE ALL BURRS AND SHARP EDGES



SECTION (1)



ASSEMBLED VIEW
ADAPTOR LIFTING TOOL
WITH ADAPTOR 2 SHOWN
(ADAPTOR 1 SIMILAR)

DRAWN BY: COLBY FLETCHER

TEMPORARY SIGNAL STANDARD ADAPTOR

STANDARD PLAN J-26.20-00

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